



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Case No. 14211US03

PATENT

In the Application of:

RONALD L. MAHANY

Serial No.: 10/684,747

Filed: October 14, 2003

For: SPREAD SPECTRUM  
TRANSCIVER MODULE  
UTILIZING MULTIPLE MODE  
TRANSMISSION

Group Art Unit from Parent: 2634

Examiner for Parent: Young T. Tse

CERTIFICATE OF MAILING

I hereby certify that this  
correspondence and all correspondence  
referenced herein are being deposited with  
the United States Postal Service as first class  
mail in an envelope addressed to  
Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450 on January 20,  
2004.

By: Ronald E. Larson  
Ronald E. Larson  
Reg. No. 24,478

TRANSMITTAL OF  
INFORMATION DISCLOSURE STATEMENT  
AFTER APPLICATION FILING DATE

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a completed PTO Form 1449 which has six (6) pages.

No references are enclosed because all the references listed on the 1449  
were provided previously in the parent case, Serial No. 08/973,195.

No fee is believed to be due because the applicants believe that this statement  
and enclosures are being filed before the first Office Action on the merits has been  
mailed by the U.S. Patent Office.

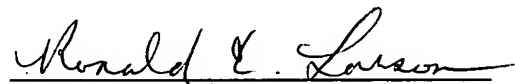
This paper and enclosures are believed to be entitled to consideration under 37  
C.F.R. § 1.97, based on the facts stated above. The Examiner is required to initial both

copies of the enclosed 1449 and return one copy to the applicants to indicate consideration of the references in this application.

This submission is in no way intended as an admission that the cited references constitute prior art under any subsection of 35 U.S.C. § 102. Applicants expressly retain the right to take any actions necessary to remove the cited references from the available prior art.

The Commissioner is hereby authorized to charge any additional fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

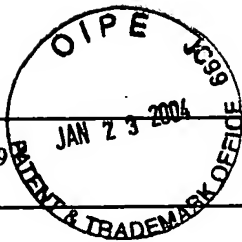
Respectfully submitted,



Ronald E. Larson  
Registration No. 24,478  
Attorney for Applicant

January 20, 2004  
Date

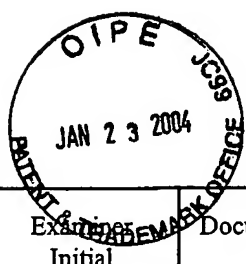
MCANDREWS, HELD & MALLOY, LTD.  
500 W. Madison, 34th Floor  
Chicago, IL 60661  
Telephone: (312) 775-8000  
Facsimile: (312) 775-8100



FORM PTO-1449	Atty. Docket No.: 14211US03	Application No.: 10/684,747
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor: Ronald L. Mahany	
	Filing Date: October 14, 2003	Group Art: 2634

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	5,960,344	9/1999	Ronald L. Mahany	455	432	
AB	5,844,893	12/1998	Gollnick et al.	370	329	
AC	5,790,587	8/1998	Smith et al.	375	147	
AD	5,768,267	6/1998	Raith et al.	370	329	
AE	5,734,645	3/1998	Raith et al.	455	466	
AF	5,655,219	8/1997	Jusa et al.	455	338	
AG	5,644,576	7/1997	Bauchot et al.	375	131	
AH	5,561,845	10/1996	Bendixen et al.	455	33.4	
AI	5,551,060	8/1996	Fuji et al.	455	33.4	
AJ	5,546,397	8/1996	Mahany			
AK	5,513,184	4/1996	Giovanni Vannucci	370	350	
AL	5,465,392	11/1995	Baptist et al.			
AM	5,410,752	4/1995	Scholefield			
AN	5,410,740	4/1995	Hagstrom			
AO	5,410,141	4/1995	Koenck et al.	235	472	
AP	5,404,375	4/1995	Kroeger et al.			
AQ	5,390,166	2/1995	Rohani et al.			
AR	5,363,402	11/1994	Harmon et al.			
AS	5,363,401	11/1994	Lucas et al.	375	131	
AT	5,321,542	6/1994	Freitas et al.			
AU	5,297,144	3/1992	Gilbert et al.			
AV	5,291,516	3/1994	Dixon et al.			
AW	5,268,933	12/1993	Averbuch			
AX	5,227,614	7/1993	Danielson et al.	235	380	
AY	5,218,187	6/1993	Koenck et al.	235	375	
AZ	5,216,233	6/1993	Main et al.	235	472	



Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
BA	5,202,817	4/1993	Koenck et al.	361	393	
BB	5,181,200	1/1993	Harrison			
BC	5,164,942	11/1992	Kamerman et al.			
BD	5,142,534	8/1992	Simpson et al.			
BE	5,117,501	5/1992	Chidress et al.	455	11.1	
BF	5,101,406	3/1992	Messenger et al.			
BG	5,097,484	3/1992	Akaiwa			
BH	5,070,536	12/1991	Mahany et al.	455	67	
BI	5,059,778	10/1991	Zouzoulas et al.	235	472	
BJ	5,057,676	10/1991	Komaki	235	375	
BK	5,049,863	9/1991	Oka	340	710	
BL	5,049,862	9/1991	Dao et al.	340	706	
BM	5,046,130	9/1991	Hall et al.	455	456	
BN	5,046,066	9/1991	Messenger			
BO	5,029,181	7/1991	Endo et al.			
BP	5,023,824	6/1991	Chadima, Jr. et al.	235	462	
BQ	5,012,407	4/1991	Finn	364	200	
BR	5,008,879	4/1991	Fischer et al.	370	85.2	
BS	5,002,184	3/1991	Lloyd	206	305	
BT	4,984,247	1/1991	Kaufmann et al.			
BU	4,983,818	1/1991	Knowles	235	467	
BV	4,972,496	11/1990	Sklarew	382	13	
BW	4,967,188	10/1990	Collins	340	636	
BX	4,953,113	8/1990	Chadima, Jr. et al.	364	708	
BY	4,942,356	7/1990	Ellingen et al.	361	392	
BZ	4,940,974	7/1990	Sojka	340	825.080	
CA	4,916,441	4/1990	Gombrich	235	380 X	
CB	4,910,775	3/1990	Yves et al.	235	379	
CC	4,897,532	1/1990	Swartz et al.	235	472	
CD	4,890,832	1/1990	Komaki	235	146	
CE	4,881,839	11/1989	Grimm	400	692	
CF	4,877,949	10/1989	Danielson et al.	235	462	



Applicant Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
CG	4,866,646	9/1989	Nakamura et al.	364	709.11	
CH	4,857,716	8/1989	Gombrich et al.	235	462	
CI	4,850,009	7/1989	Zook et al.	235	375	
CJ	4,845,350	7/1989	Shepard et al.	235	472	
CK	4,842,966	6/1989	Omoni et al.	307	150	
CL	4,837,858	6/1989	Ablay et al.	455	34	
CM	4,836,256	6/1989	Meliconi	206	523	
CN	4,835,372	5/1989	Gombrich	235	375	
CO	4,831,275	5/1989	Drucker	235	472	
CP	4,825,057	4/1989	Swartz	235	472	
CQ	4,793,812	12/1989	Sussman et al.	235	472	
CR	4,773,032	9/1988	Uehara	364	900	
CS	4,768,230	9/1988	Viebrantz et al.	455	603	
CT	4,766,300	8/1988	Chadima, Jr. et al.	235	472	
CU	4,761,822	8/1988	Maile	455	82	
CV	4,760,248	7/1988	Swartz et al.	235	472	
CW	4,758,717	7/1988	Shepard et al.	235	472	
CX	4,752,965	6/1988	Dunkley	235	379	
CY	4,749,353	6/1988	Breedlove	381	43	
CZ	4,743,773	5/1988	Katanta et al.	250	566	
DA	4,734,566	3/1988	Senda et al.	235	495	
DB	4,727,245	2/1998	Dobbins et al.	235	472	
DC	4,718,110	1/1998	Schaefer	455	90	
DD	4,718,103	1/1988	Shajima et al.	382	13	
DE	4,706,096	11/1987	Sato	235	488	
DF	4,703,161	10/1987	McLean	235	1	
DG	4,689,761	8/1987	Yurchenco	364	708	
DH	4,661,993	4/28/1987	Leland et al.	455	103	
DI	4,654,818	3/1987	Wetterau, Jr.	364	900	
DJ	4,641,292	2/1987	Tunnell et al.	381	42	
DK	4,634,845	1/1987	Hale et al.	235	350	
DL	4,628,193	12/1986	Blum	235	375	



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DM	4,627,736	12/1986	Komaki	368	88	
DN	4,621,189	1/1986	Kumar et al.	235	472	
DO	4,603,262	7/1986	Eastman et al.	250	566	
DP	4,578,571	3/1986	Williams	235	472	
DQ	4,570,057	2/1986	Chadima, Jr. et al.	364	708	
DR	4,569,421	2/1986	Sandstedt	235	383	
DS	4,523,297	6/1985	Ugon et al.	235	380	
DT	4,523,087	6/1985	Benton	235	379	
DU	4,519,068	5/1985	Krebs et al.			
DV	4,511,970	4/1985	Okano et al.	364	401	
DW	4,506,344	3/1985	Hubbard	364	900	
DX	4,500,776	2/1985	Laser	235	162	
DY	4,488,679	12/1984	Bockholt et al.	235	469	
DZ	4,460,120	7/1984	Shepard et al.	235	472	
EA	4,423,319	12/1983	Jacobsen	235	419	
EB	4,422,745	12/1983	Hopson	354	105	
EC	4,418,277	11/1983	Tremmel et al.	235	472	
ED	4,415,065	11/1983	Sandstedt	186	39	
EE	4,414,661	11/1983	Karlstrom	370	95	
EF	4,385,285	5/1983	Horst et al.	382	3	
EG	4,322,612	3/1982	Lange	235	419	
EH	4,282,425	8/1991	Chadima et al.	235	462	
EI	4,277,837	7/1981	Stuckert	364	900	
EJ	4,247,908	1/1981	Lockhart, Jr. et al.	364	900	
EK	4,210,802	7/1980	Sakai	235	483	
EL	4,188,103	2/1980	Biber et al.	354	27	
EM	4,165,554	8/1979	Faget	D18	7	
EN	4,158,194	1/1979	McWaters et al.	235	454	
EO	4,158,130	6/1979	Speraw et al.	235	146	
EP	4,141,492	2/1979	Michel et al.	235	437	
EQ	4,136,821	1/1979	Sugiura et al.	235	462	
ER	4,133,034	1/1979	Etter	364	464	



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ES	4,115,870	9/1978	Lowell	364	900	
ET	4,091,270	5/1978	Musch et al.	235	419	
EU	4,058,838	11/1977	Crager et al.	358	257	
EV	4,020,527	3/1977	O'Neill	16	110	
EW	4,017,725	4/1977	Roen	235	152	
EY	4,005,400	1/1977	Engdahl	340	365 R	
EZ	4,002,892	1/1977	Zielinski	307	150	
FA	3,976,973	8/1976	Martin et al.	235	472	
FB	3,947,817	3/1976	Requa	235	472	
FC	3,826,900	7/1977	Moellering	250	568	
FD	3,665,164	5/1972	Beveridge	235	460	
FE	D.303,112	8/1989	Desrochers	D14	100	
FF	D.295,411	4/1988	Cho et al.	D14	100	
FG	D.230,859	3/1974	Kurosu	D26	56	
FH	D.229,234	1/1979	Kajita	D14	100	

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
FI	8707106	11/1987	WIPO			
FJ	8700659	1/987	WIPO			
FK	1572962	8/1980	Japan			
FL	2-144681	6/1990	Japan			
FM	GB 2 201 125A	2/16/1987	UK			
FN	58-211261	12/1983	Japan			
FO	58-176792	10/1983	Japan			
FP	2389938	1/1979	France			
FQ	0262943	4/1988	EPO			
FR	0194115	9/1986	EPO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)



## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	FS	"PCMCIA Primer" by John Reimer, pp. 66-67, date unknown.
	FT	PCMCIA (IC) Cards, Volume 13, No. 8
	FU	News Release "Norand Introduces Enhanced Wireless LAN Capabilities", May 16, 1995, by Norand Corporation, Cedar Rapids, Iowa, pp. 1-4.
	FV	News Release "Ositech Communications Inc. Will Release Next Month the Jack of Diamonds, A Type II PC Card", dated May 31, 1995.
	FW	Roger C. Alford, "The PCMCIA Redefines Portability", Under The Hood, date unknown
	FX	Gary Legg, "Special Components Simplified Interface to PCMCIA cards", June 10, 1993 EN., pp. 61, 63-64, 66 and 68.
	FY	Carole Patton, "Radio Transceiver Circuit Card Acts as Wireless Modem in PCs", Info World, March 28, 1988, Page 18
	FZ	John R. Gyorki, "NEW DEAL FOR SMART CARDS", Machine Design, June 1, 1993, pp. 38-40, 42 and 44.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.